

Model(s)	<b>EWYE050CZP-A2</b>		
Air-to-water heat pump	YES		
Water-to-water heat pump	NO		
Brine-to-water heat pump	NO		
Low-temperature heat pump	NO		
Equipped with a supplementary heater	NO		
Heat pump combination heater	NO		
Parameters shall be declared for medium-temperature application, except for low-temperature heat pumps. For low-temperature heat pumps, parameters shall be declared for low-temperature application. Parameters shall be declared for average, colder and warmer climate conditions.			
Item	Symbol	Value	Unit
<b>Rated heat output <sup>(3)</sup></b>	<b>Prated</b>	<b>42,2</b>	<b>kW</b>
<i>Declared capacity for heating for part load at indoor temperature 20°C and outdoor</i>			
T <sub>j</sub> = - 7°C	P <sub>dH</sub>	37,3	kW
T <sub>j</sub> = + 2°C	P <sub>dH</sub>	23,4	kW
T <sub>j</sub> = + 7°C	P <sub>dH</sub>	14,6	kW
T <sub>j</sub> = + 12°C	P <sub>dH</sub>	6,3	kW
T <sub>j</sub> = bivalent temperature	P <sub>dH</sub>	37,3	kW
T <sub>j</sub> = operation limit temperature	P <sub>dH</sub>	35,5	kW
For air-to-air heat pumps: T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	P <sub>dH</sub>	-	kW
Bivalent temperature	T <sub>biv</sub>	-7	°C
Cycling interval capacity for heating	P <sub>cyc</sub>	-	kW
Degradation co-efficient (4)	C <sub>dH</sub>	0,94	-
<b>Power consumption in modes other than active mode</b>			
Off mode	P <sub>OFF</sub>	0,000	kW
Thermostat-off mode	P <sub>TO</sub>	0,296	kW
Standby mode	P <sub>SB</sub>	0,140	kW
Crankcase heater mode	P <sub>CK</sub>	0,140	kW
<b>Other items</b>			
Capacity control	Variable		
Sound power level, indoor/outdoor	L <sub>WA</sub>	78	dB
Annual energy consumption	Q <sub>HE</sub>	29335,4	kWh
<b>For heat pump combination heater:</b>			
Declared load profile	-		
Daily electricity consumption	Q <sub>elec</sub>	-	kWh
Annual electricity consumption	AEC	-	kWh
Daikin Applied Europe - Via Piani di S.Maria 72, 00040 Ariccia (Roma), Italy			

Item	Symbol	Value	Unit
<b>Seasonal space heating energy efficiency</b>	<b>η<sub>s</sub></b>	<b>110%</b>	<b>%</b>
<i>Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature T<sub>j</sub></i>			
T <sub>j</sub> = - 7°C	COP <sub>d</sub> or PER <sub>d</sub>	1,71	%
T <sub>j</sub> = + 2°C	COP <sub>d</sub> or PER <sub>d</sub>	2,46	%
T <sub>j</sub> = + 7°C	COP <sub>d</sub> or PER <sub>d</sub>	4,47	%
T <sub>j</sub> = + 12°C	COP <sub>d</sub> or PER <sub>d</sub>	6,43	%
T <sub>j</sub> = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	1,71	%
T <sub>j</sub> = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	1,56	%
For air-to-air heat pumps: T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub> or PER <sub>d</sub>	-	%
For air-to-water heat pumps: Operation limit temperature	TOL	-25	°C
Cycling interval efficiency	COP <sub>cyc</sub> or PER <sub>cyc</sub>	-	%
Heating water operating limit temperature	WTOL	70	°C
<b>Equipped with a supplementary heater:</b>			
Rated heat output (4)	P <sub>sup</sub>	4,6	kW
Type of energy input	Electric		
<b>Other items</b>			
For air-to-water heat pumps: Rated air flow rate, outdoors	-	29196	m <sup>3</sup> /h
For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m <sup>3</sup> /h
<b>For heat pump combination heater:</b>			
Water heating energy efficiency	η <sub>wh</sub>	-	%
Daily fuel consumption	Q <sub>fuel</sub>	-	kWh
Annual fuel consumption	AFC	-	GJ
Daikin Applied Europe			

(3) For heat pump space heaters and heat pump combination heaters, the rated heat output 'Prated' is equal to the design load for heating 'Pdesignh', and the rated heat output of a supplementary heater 'Psup' is equal to the supplementary capacity for heating 'sup(Tj)'.  
(4) If 'Cdh' is not determined by measurement then the default degradation coefficient is 'Cdh'= 0,9.